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Ohio Agricultural Experiment Station  
DEPARTMENT OF FORESTRY  
In Cooperation With  
U. S. Department of Agriculture - Forest Service  
CENTRAL STATES FOREST EXPERIMENT STATION

Technical Note 24

January 1, 1941

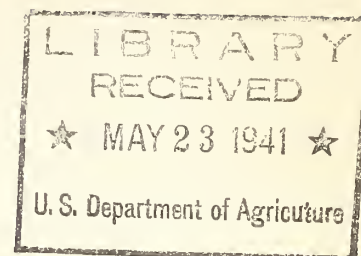
LOCAL VOLUME TABLE<sup>1/</sup>

for

YELLOW POPLAR

(*Liriodendron tulipifera*)  
in Holmes County, Ohio

INTERNATIONAL Rule ( $\frac{1}{4}$ " kerf)



Merchantable Stem to a Variable Top Diameter

Diameter breast high outside bark (Inches)	Volume per tree	Average merchant- able length	Basis in trees	Diameter breast high outside bark (Inches)	Volume per tree	Average merchant- able length	Basis in trees
	Board feet	Feet	Number		Board feet	Feet	Number
7	5	14.5	1				
8	20	22	5				
9	38	27.5	4				
10	58	32	4	25	830	68.5	6
11	79	36	4	26	930	70	8
12	105	39.5	4	27	1025	71.5	4
13	130	43	4	28	1120	72.5	5
14	159	46	5	29	1220	74	8
15	190	48.5	2	30	1330	75	6
16	225	51	1	31	1430	76	2
17	268	53.5	5	32	1535	77	6
18	315	56	1	33	1645	78	4
19	370	58	2	34	1750	79	2
20	425	60	4	35	1860	80	2
21	490	62	5	36	1970	81	1
22	570	63.5	4	37	2090	82	-
23	653.5	65	5	38	2200	83	1
24	740	67	3	39	2315	83.5	-

(1) Trees climbed and measured by personnel of Work Projects Administration Official Project 65-1-42-166 - "the Ohio Woodland Survey." Measurements taken at 12.3-foot log lengths above a 1.0-foot stump height. Scaled as 12-foot logs, and additional shorter top logs; top sections less than 8 feet in length scaled as fractions of an 8-foot log. Basis, 118 trees.

Table prepared, in 1940, by curving volume of merchantable length over d.b.h.

Aggregate difference: table is 0.22% low Average percentage deviation of basic data from table, 12.3%.

J. Richard Crawmer  
L. F. Kellogg

